

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A wound dressing for accelerating epidermal regeneration which comprises:

~~at least one polypeptide (P) having at least one species of epidermal regeneration-
accelerating minimal amino acid sequences (X) selected from the group consisting of Arg-Gly-
Asp (SEQ ID NO: 1), Ile-Lys-Val-Ala-Val (SEQ ID NO: 2), and Tyr-Ile-Gly-Ser-Arg (SEQ ID
NO: 3), and at least one auxiliary amino acid sequence (Y),~~

a polyalkylenepolyamine and/or polyarylenepolyamine (A) having a weight average
molecular weight of 2,000 to 60,000, and

a sheet (S) being polyurethane,

wherein the at least one polypeptide (P) is selected from the group consisting of a
polypeptide represented by SEQ ID NO: 50 and a polypeptide represented by SEQ ID NO: 51,

wherein the at least one polypeptide (P) and the sheet (S) are bonded by a covalent
bonding, and

~~wherein said auxiliary amino acid sequence (Y) is selected from the group consisting of:~~

~~(Gly-Ala)_a ((residues 1-2 of SEQ ID NO: 4)_a),~~

~~(Gly-Ala-Gly-Ala-Gly-Ser)_b ((residues 1-6 of SEQ ID NO: 7)_b),~~

~~(Gly-Ala-Gly-Ala-Gly-Tyr)_e ((residues 1-6 of SEQ ID NO: 10)_e),~~

~~(Gly-Ala-Gly-Val-Gly-Tyr)_d ((residues 1-6 of SEQ ID NO: 13)_d),~~

~~(Gly-Ala-Gly-Tyr-Gly-Val)_e ((residues 1-6 of SEQ ID NO: 16)_e),~~

~~{Asp Gly Gly (Ala)_f Gly Gly Ala}_g((residues 1-12 of SEQ ID NO: 19)_g;~~
~~(Gly Val Pro Gly Val)_h((residues 1-5 of SEQ ID NO: 22)_h;~~
~~(Gly)_i((residue 1 of SEQ ID NO: 25)_i;~~
~~(Ala)_j((residue 1 of SEQ ID NO: 28)_j;~~
~~(Gly Gly Ala)_k((residues 1-3 of SEQ ID NO: 31)_k;~~
~~(Gly Val Gly Val Pro)_m((residues 1-5 of SEQ ID NO: 34)_m;~~
~~(Gly Pro Pro)_n((residues 1-3 of SEQ ID NO: 37)_n;~~
~~(Gly Ala Gln Gly Pro Ala Gly Pro Gly)_o((residues 1-9 of SEQ ID NO: 40)_o;~~
~~(Gly Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln)_p((residues 1-15~~
~~of SEQ ID NO: 43)_p); and~~
~~(Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro)_q((residues 1-15~~
~~of SEQ ID NO: 46)_q;~~

~~wherein a is an integer from 5 to 100; b, c, d, and e each are an integer from 2 to 33; f is an integer from 1 to 194; g is an integer from 1 to {200/(6 + f)} with any fraction omitted; h is an integer from 2 to 40; i and j each are an integer from 10 to 200; k is an integer from 3 to 66; m is an integer from 2 to 40; n is an integer from 3 to 66; o is an integer from 1 to 22; and p and q each are an integer from 1 to 13.~~

2-6. (Cancelled)

7. (Original) The wound dressing according to Claim 1

wherein the polyalkylenepolyamine and/or polyarylenepolyamine (A) is a polyethyleneimine.

8. (Withdrawn) A method for epidermal regeneration treatment which comprises using the wound dressing according to Claim 1.

9-13. (Cancelled)

14. (Currently Amended) The wound dressing according to claim 1 [[13]], wherein the at least one polypeptide (P) is ~~selected from the group consisting of ProNectin F and ProNectin L~~ the polypeptide represented by SEQ ID NO: 50.

15. (New) The wound dressing according to claim 1, wherein the at least one polypeptide (P) is the polypeptide represented by SEQ ID NO: 51.